

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/050484

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01J31/22 C08F10/02 C08F4/70

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01J C08F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 066 394 A (METALLGESELLSCHAFT AG) 6 August 1971 (1971-08-06) page 1, line 25 - page 2, line 3 page 4, line 5 - line 30 claims 10,11; examples 1,2,6	9
Y	ROSCOE S B ET AL: "Polyolefin Spheres from Metallocenes Supported on Noninteracting Polystyrene" SCIENCE, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, US, vol. 280, 10 April 1998 (1998-04-10), pages 270-273, XP002253630 ISSN: 0036-8075 cited in the application the whole document	1-8
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

21 July 2004

Date of mailing of the international search report

02/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Bork, A-M

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 955 555 A (BENNETT ALISON MARGARET ANNE) 21 September 1999 (1999-09-21) column 8, line 1 - column 12, line 51; examples 43-46	1-8
Y	----- US 6 489 497 B1 (BROOKHART III MAURICE S ET AL) 3 December 2002 (2002-12-03) column 1, line 41 - column 2, line 40 column 14, line 58 - column 15, line 9; examples 1-23	1-7
Y	----- SMALL B L ET AL: "IRON-BASED CATALYSTS WITH EXCEPTIONALLY HIGH ACTIVITIES AND SELECTIVITIES FOR OLIGOMERIZATION OF ETHYLENE TO LINEAR ALPHA-OLEFINS" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US, vol. 120, 1998, pages 7143-7144, XP002934373 ISSN: 0002-7863 cited in the application the whole document -----	1-7

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International Application No

PCT/EP2004/050484

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
FR 2066394	A	06-08-1971	DE 1953399 A1	06-05-1971
			BE 757985 A1	01-04-1971
			FR 2066394 A5	06-08-1971
US 5955555	A	21-09-1999	US 6214761 B1	10-04-2001
			US 6432862 B1	13-08-2002
			US 2002013431 A1	31-01-2002
			US 2001000519 A1	26-04-2001
			AT 213748 T	15-03-2002
			AU 735653 B2	12-07-2001
			AU 5711098 A	15-07-1998
			BR 9714219 A	18-04-2000
			CA 2270243 A1	25-06-1998
			DE 69710776 D1	04-04-2002
			DE 69710776 T2	12-09-2002
			EA 2981 B1	26-12-2002
			EP 1127897 A2	29-08-2001
			EP 0946609 A1	06-10-1999
			HU 0000031 A2	28-05-2000
			ID 21656 A	08-07-1999
			JP 3296496 B2	02-07-2002
			JP 2000516295 T	05-12-2000
			JP 2002302510 A	18-10-2002
			KR 2000057604 A	25-09-2000
			NO 992930 A	10-08-1999
			PL 334300 A1	14-02-2000
			TR 9901352 T2	21-10-1999
			WO 9827124 A1	25-06-1998
US 6489497	B1	03-12-2002	US 6103946 A	15-08-2000
			US 2003036615 A1	20-02-2003
			US 2003050494 A1	13-03-2003
			AT 231830 T	15-02-2003
			AU 748033 B2	30-05-2002
			AU 8569098 A	08-02-1999
			BR 9810587 A	05-09-2000
			CA 2296446 A1	21-01-1999
			CN 1110467 B	04-06-2003
			DE 69811077 D1	06-03-2003
			DE 69811077 T2	06-11-2003
			EP 0994831 A1	26-04-2000
			HU 0003363 A2	28-02-2001
			ID 24095 A	06-07-2000
			JP 2002515917 T	28-05-2002
			NO 20000120 A	10-01-2000
			PL 338145 A1	25-09-2000
			TR 200000004 T2	22-05-2000
			WO 9902472 A1	21-01-1999
			US 2003070188 A1	10-04-2003